

**ATTORNEY DOCKET NO. 22118.0002U2
PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
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Skinner, J.E.) Art Unit: 3762
)
)
Application No. 10/767,861) Examiner: Manuel, G.C.
)
)
Filing Date: January 29, 2004) Confirmation No. 2987
)
)
For: METHOD AND SYSTEM FOR)
DETECTING AND/OR PREDICTING)
CEREBRAL DISORDERS)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.
Customer Number 23859

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Information Disclosure Statement List is a listing of documents known to Applicants and/or their attorneys. In accordance with 37 C.F.R. § 1.98(a)(2), copies of any cited U.S. patent or U.S. patent application publication documents are not enclosed. A copy of each of the remaining foreign patent or non-patent documents is enclosed.

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In accordance with the provisions of M.P.E.P. § 2001.06(b) and 37 C.F.R. § 1.98(b)(3), Applicants would like to bring to the attention of the Examiner the existence of the co-pending patent application(s) identified below, which were filed in the United States Patent and Trademark Office:

| | <u>Application No.</u> | <u>Date Filed</u> | <u>Inventors</u> | <u>Attorney Docket No.</u> |
|----|------------------------|-------------------|------------------|----------------------------|
| 1. | 11/243,834 | October 5, 2005 | Skinner et al. | 22118.0002U3 |
| 2. | 60/824,170 | August 31, 2006 | Skinner et al. | 22118.0011U1 |

The pending application(s) are stored in the Image File Wrapper (IFW) system of the USPTO. Accordingly, copies of the cited specification(s), including the claims and drawings thereof, are not enclosed in accordance with the waiver to 37 CFR 1.98(a)(2)(iii) dated September 21, 2004.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(c), in that neither a final Office Action nor a Notice of Allowance has been mailed to Applicants. Accordingly, Applicants enclose the fee required under 37 C.F.R. § 1.97(c)(2).

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

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A Credit Card Payment Form in the amount of \$180.00, representing the fee under 37 C.F.R. § 1.17(p), is enclosed. This amount is believed to be correct; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

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| INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary) | | | | Complete if Known | | | |
| | | | | Application Number | | 10/767,861 | |
| | | | | Filing Date | | January 29, 2004 | |
| | | | | First Named Inventor | | Skinner, J.E. | |
| | | | | Group Art Unit | | 3762 | |
| | | | | Examiner Name | | Manuel, G.C. | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner's Initials | Cite No. | Document No. | Date | Name | Class | Subclass | Filing Date (if appropriate) |
| | C1 | 5,215,099 | 06/01/93 | Haberl et al. | | | |
| | C2 | US 2003/0104493 A1 | 6/5/03 | Ortel et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner's Initials | Cite No. | Foreign Patent Document Country Code-Number-Kind Code | Date | Name | | Translation Yes/No | |
| NON-PATENT DOCUMENTS | | | | | | | |
| Examiner's Initials | Cite No. | Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication) | | | | | |
| | C3 | Austin AR, Pawson L, Meek S, Webster S, "Abnormalities of heart rate and rhythm in bovine spongiform encephalopathy," <i>Vet Rec</i> , 1997, 141(14):352-357. | | | | | |
| | C4 | Braun C, Kowallik P, Freking A, Hadeler D, Kniffki KD, Meesmann M, "Demonstration of nonlinear components in heart rate variability of healthy persons.," <i>Am J Physiol</i> , 1998, 275:H1577-H1584. | | | | | |
| | C5 | Kostelich EJ, Swinney HL, "Practical considerations in estimating dimension from time series data," <i>Physica Scripta</i> , 1989, 40:436-441. | | | | | |
| | C6 | Marwan N, Wessel N, Meyerfeldt U, Schirdewan A, Kurths J, "Recurrence-plot-based measures of complexity and their application to heart-rate-variability data," <i>Phys Rev E Stat Nonlin Soft Matter Phys</i> , 2002, 66:026702. | | | | | |
| | C7 | Skinner JE, "How the heart rules the heart," In: <i>Life-threatening Arrhythmias During Ischemia and Infarction</i> , edited by D J Hearse, A S Manning and MJ Janse, Raven Press, New York, 1987, 135-151. | | | | | |
| | C8 | Skinner JE, "Reduction of cardiac vulnerability during REM sleep in the pig," In: <i>Sleep Disorders, Basic and Clinical Research</i> , edited by M Chase and ED Weitzman, New York: Spectrum Publications, 1983, 49-63. | | | | | |
| | C9 | Skinner JE, "Regulation of cardiac vulnerability by the cerebral defense system," <i>J Am Coll Card</i> , 1985, 5:88B-94B. | | | | | |
| | C10 | Skinner JE, Douglass F, Harper RM, "Higher cerebral regulation of cardiovascular and respiratory functions," <i>Principles and Practice of Sleep Medicine</i> , Edited by MH Kryger, T Roth and WC Dement, WB Saunders Co, 1989, Chapter 27, 276-292. | | | | | |
| | C11 | Skinner JE, et al., "Blockade of frontocortical-brain stem pathway prevents ventricular fibrillation of ischemic heart," <i>Am. J. Physiol.</i> , 1981, 240: H156-H163. | | | | | |
| | C12 | Skinner JE, et al., "Comparison of linear-stochastic and nonlinear -deterministic algorithms in the analysis of human ECG data to predict risk of arrhythmic death," <i>Amer J Physiol</i> , (Submitted, Oct. 2004). | | | | | |
| | C13 | Skinner JE, et al., "Sleep-stage regulation of ventricular arrhythmias in the unanesthetized pig," <i>Circ. Res.</i> , 1975, 37: 342-349. | | | | | |
| | C14 | Skinner JE, et al., "Task Force Report on sudden cardiac death and arrhythmias," In: <i>Circulation, Neurobiology, and Behavior</i> , edited by OA Smith, RA Galosy and S M Weiss, New York: Elsevier Biomedical Press, 1982, 309-316. | | | | | |
| | C15 | Winfree AT, "Electrical turbulence in three-dimensional heart muscle," <i>Science</i> , 1994, 266:1003-1006. | | | | | |

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| | | | Filing Date | January 29, 2004 |
| | | | First Named Inventor | Skinner, J.E. |
| | | | Group Art Unit | 3762 |
| | | | Examiner Name | Manuel, G.C. |
| | C16 | Winfree AT, "Sudden cardiac death: a problem in topology," <i>Sci Am</i> , 1983, 248:144-161. | | |
| | C17 | Winfree AT, "When Time Breaks Down: the three-dimensional dynamics of electrochemical waves and cardiac arrhythmias," 1987, <i>Princeton U Press</i> , Princeton NJ, 3-124. | | |

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| Examiner Signature: | Date Considered: |
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